

North Carolina Department of Transportation
PROJECT ENVIRONMENTAL CONSULTATION FORM
I. D. No. B-5406

I. GENERAL INFORMATION

- a. Consultation Phase: Right of Way
- b. Project Description: Replacement of Bridge No. 67 on SR 1513 over Rabbit Creek in Macon County
- c. Federal Project: BRZ-1513 (7)
- d. Document Type: Categorical Exclusion 10-15-15
Date

II. CONCLUSIONS

The above environmental document has been reevaluated as required by 23 CFR 771. It was determined that the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted below in Section III. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administration Action remains valid.

III. CHANGES IN PROPOSED ACTION AND ENVIRONMENTAL CONSEQUENCES

The approved Categorical Exclusion document specified that the existing three-span structure be replaced with a triple 11ft. x 10ft. reinforced box culvert along a new alignment to the north with the roadway being widened for a distance of 250ft. west and 315ft. east; traffic being maintained utilizing the existing structure during construction. During the design phase the proposed culvert was determined to create a rise in water surface in a FEMA Limited Detailed Stream, requiring the proposed structure to be changed to a bridge.

The current proposed structure is a cored slab structure approximately 73 ft. in length providing a clear roadway width of 30'-6" with two 10 ft. travel lanes and 5'-4" offsets each side. The approach roadway will extend approximately 250 ft. west and 230 ft. east of the new structure providing 28 ft. of pavement with two 10 ft. lanes and 6 ft. shoulders (9 ft. where guardrail), 4 ft. of paved shoulder. The proposed structure will provide bicycle safe rails.

The new proposed structure will require the road to be closed for a short period of time, approximately three months, requiring traffic to utilize an offsite detour consisting of US23/441, SR 1513 and SR 1507. The proposed

North Carolina Department of Transportation
PROJECT ENVIRONMENTAL CONSULTATION FORM
I. D. No. B-5406

detour will increase travel approximately 2 miles (3 minutes) for local road users. Macon County Emergency Management as well as Macon County Schools Transportation have indicated the detour is acceptable. NCDOT Division 14 has indicated the condition of all roads, bridges, and intersections on the offsite detour are acceptable without improvement and concurs with the use of the detour.

IV. LIST OF ENVIRONMENTAL COMMITMENTS



See attached green sheet for Environmental Commitments.

V. COORDINATION


PDEA personnel have discussed current project proposals with others. Please note who was coordinated with and the date. This section is to be filled out by the project manager and does not require signatures.

Design Engineer:	<u>Brian Key</u>	<u>12/6/2016</u>
		Date
FHWA Engineer:	<u>N/A</u>	<u>N/A</u>
		Date
NES-PM:	<u>Jeff Hemphill</u>	<u>11/28/2016</u>
		Date

VI. NCDOT CONCURRENCE

 _____ Project Planning Engineer	<u>12/12/2016</u>
	Date
 _____ Project Development and Environmental Analysis Unit Group Leader	<u>12.12.16</u>
	Date

VII. FHWA CONCURRENCE

DocuSigned by:  _____ 7707B71B714A4F1...	<u>12/12/2016</u>
Federal Highway Administration	Date
Division Administrator	

PROJECT COMMITMENTS

**Macon County
Bridge No. 67 on SR 1504 (Rabbit Creek Road)
over Rabbit Creek
Federal Aid Project No. BRZ-1513(7)
W.B.S. No. 46121
S.T.I.P. No. B-5406**

PDEA-Natural Environment Section

Construction authorization will not be requested until ESA compliance is satisfied for the Northern long-eared bat (NLEB) and the Gray bat.

All Design Groups/Division Resident Construction Engineer

A moratorium prohibiting in-stream work and land disturbance within the 25-foot trout buffer will be in place from January 15 to April 15 to protect the egg and fry stages of trout.

NES, Roadside Environmental, Division

DWQ has designated Rabbit Creek as class C-trout waters and therefore sediment and erosion control measures will adhere to the Design Standards for Sensitive Watersheds.

Structure Design

~~The proposed project is located in the Tennessee Valley Authority's (TVA) Land Management District. The project will require approval under Section 26a of the TVA Act.~~

No Longer required.

Hydraulic Unit

The Hydraulics Unit will coordinate with the NC Floodplain Mapping Program (FMP), to determine status of project with regard to applicability of NCDOT's Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR).

Division Construction

This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

Structure Design

~~The proposed project is located in the Tennessee Valley Authority's (TVA) Land Management District. The project will require approval under Section 26a of the TVA Act.~~

Duplication

The proposed bridge will be designed with a bicycle safe rail.